DynaScan

Embedded IPC
User Manual
Edition 6

Table of Contents:

1. Introduction

Embedded IPC is an all-in-one player of the DynaScan Networking Media Broadcast System.

Although the player is an IPC, you don't need to use the keyboard mouse and monitor to operate. Just Connected the Display with the DVI Port of Embedded IPC and you can setup and operate the IPC by using the LCD Control Panel.

The Embedded OS provide a proof that the OS won't breakdown even when the power supply is unstable. The Built-in Watchdog-Timer will restart the IPC when the program crashes.
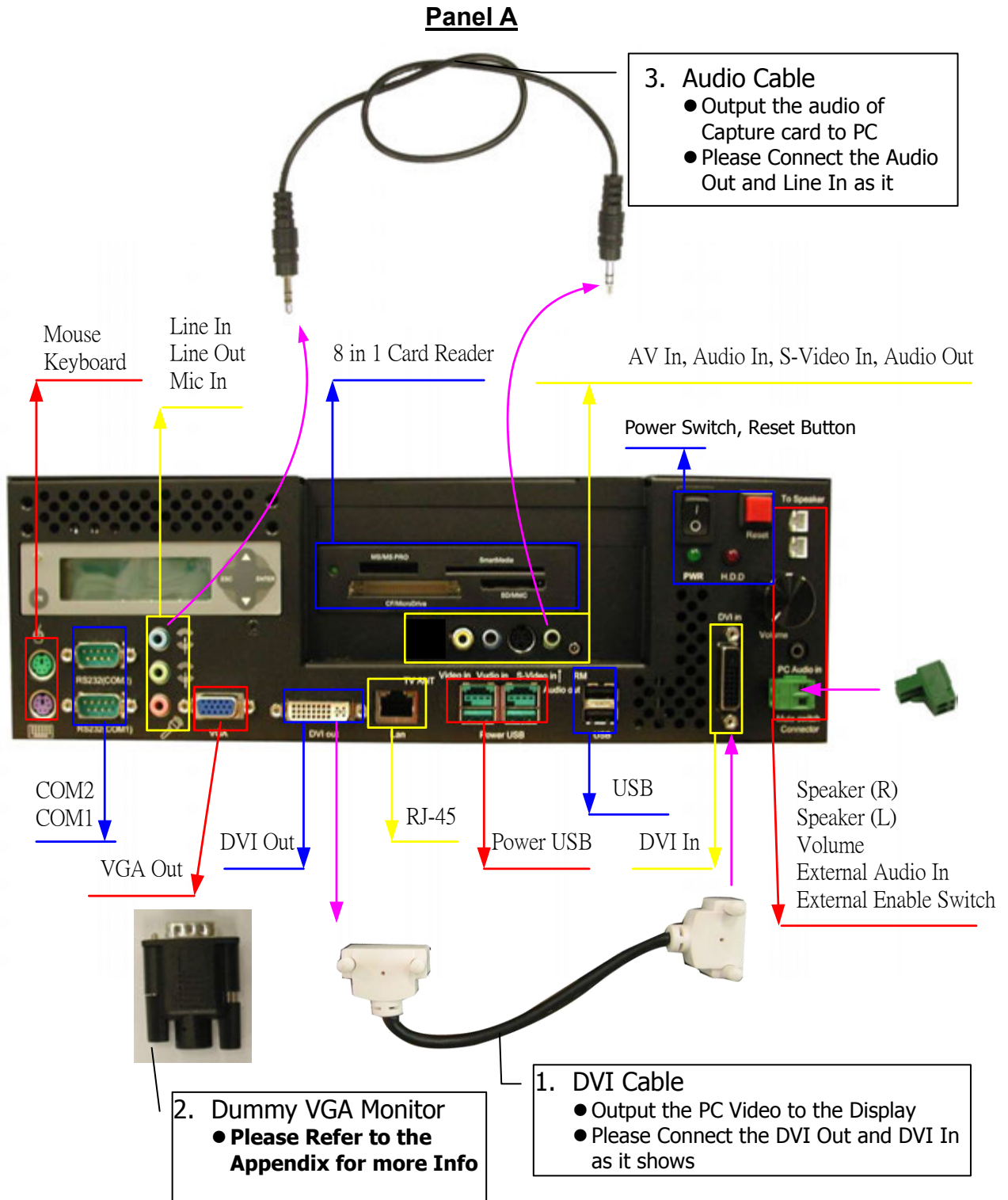
The All-in-one Card reader is the storage media device of contents. To play the contents, just plug the memory card with contents into the Card reader and select the files. If you want to play different contents in different cards on different frames, just plug several cards into different sockets, or use built-in 2.5" hard disk to storage more contents. Moreover, the IPC provides two analog video inputs, Composite（AV）and S-Video. As for audio part, we provide one external audio input, and two speaker output connecters (10W).

When the Embedded IPC connects to the control server, it will become a network control node in the network. You can remote control the IPC and monitor the IPC. By network, the Control Server will transfer the content to several remote nodes. You can turn on/off the IPC while the content transferring, and the transferring will be continue next time the IPC is on. The IPC can play the content while the content transmission. The IPC will play the new content when all transmission is done.
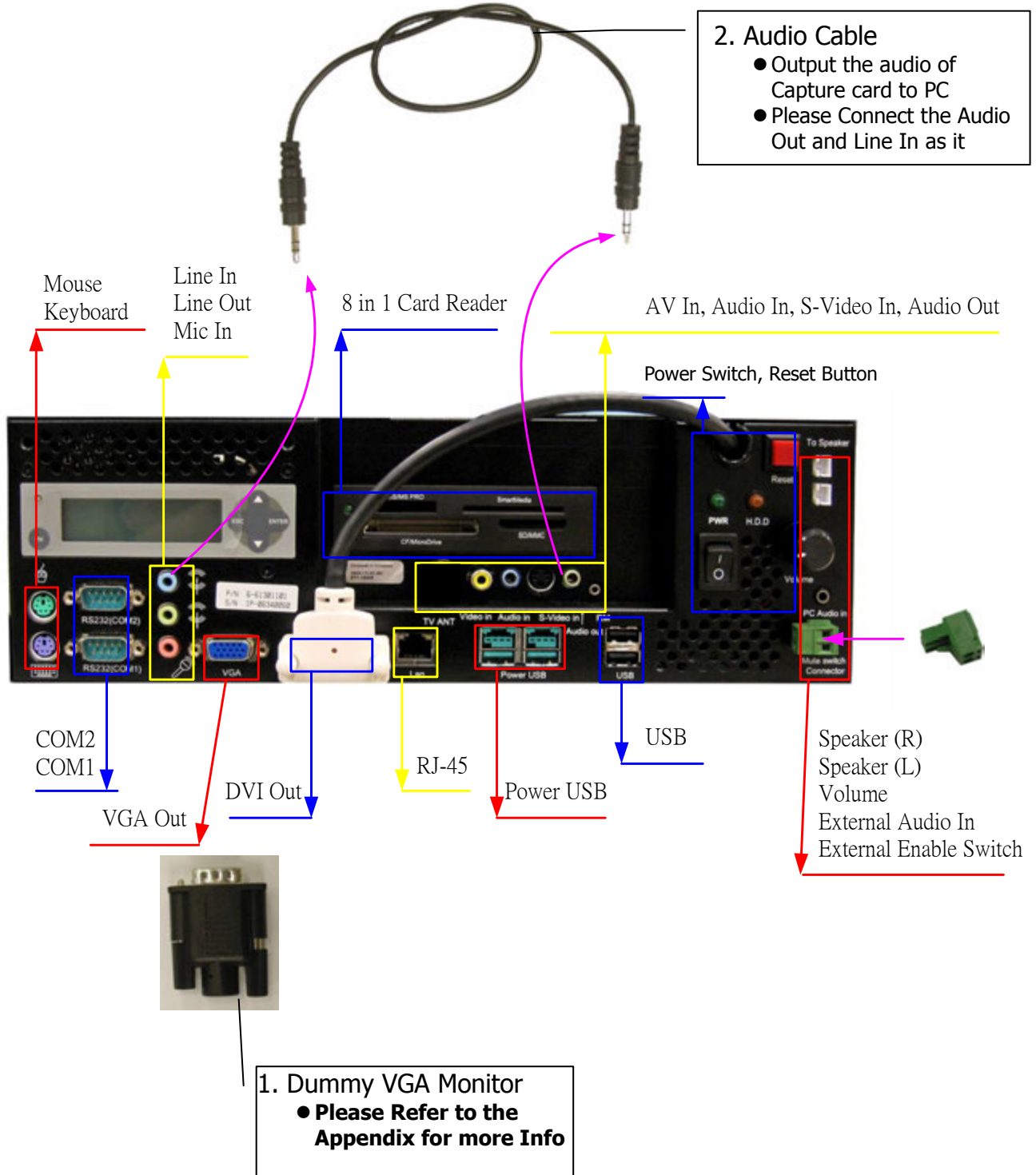
2. IPC Introduction

2.1 Embedded IPC Front Panel

There are two kinds of IPC panels (different DVI Cable). Please choose the one you have for reference.

Panel A

3. Audio Cable
   - Output the audio of Capture card to PC
   - Please Connect the Audio Out and Line In as it

Mouse Keyboard

Line In
Line Out
Mic In

8 in 1 Card Reader

AV In, Audio In, S-Video In, Audio Out

Power Switch, Reset Button

COM2
COM1

VGA Out

DVI Out

RJ-45

Power USB

DVI In

USB

Speaker (R)
Speaker (L)
Volume
External Audio In
External Enable Switch

2. Dummy VGA Monitor
   - **Please Refer to the Appendix for more Info**

1. DVI Cable
   - Output the PC Video to the Display
   - Please Connect the DVI Out and DVI In as it shows

Please install 1. DVI Cable   2. Dummy VGA Monitor   3. Audio Cable as the diagram shows.

Panel B

2. Audio Cable
- Output the audio of Capture card to PC
- Please Connect the Audio Out and Line In as it

Mouse
Keyboard

Line In
Line Out
Mic In

8 in 1 Card Reader

AV In, Audio In, S-Video In, Audio Out

Power Switch, Reset Button

COM2
COM1

VGA Out

DVI Out

RJ-45

Power USB

USB

Speaker (R)
Speaker (L)
Volume
External Audio In
External Enable Switch

1. Dummy VGA Monitor
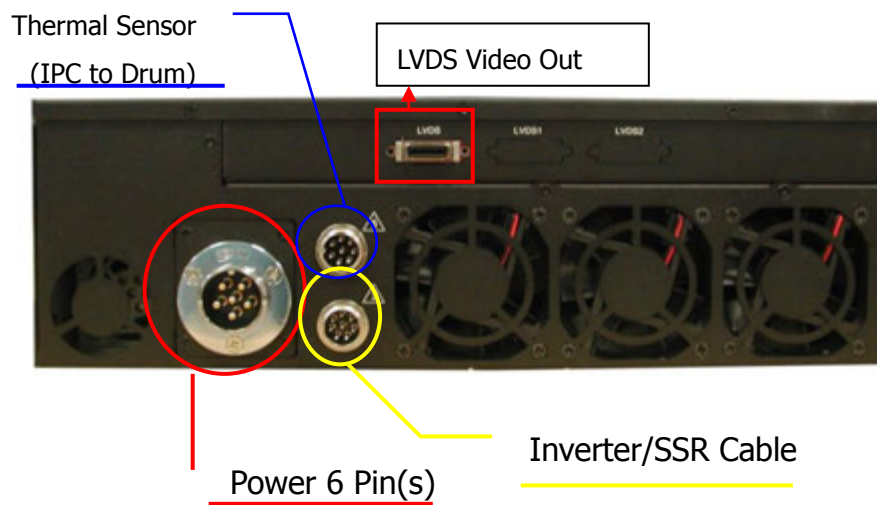- **Please Refer to the Appendix for more Info**

Please install 1. Dummy VGA Monitor   2. Audio Cable as the diagram shows.

2.2 Back Panel

DS0706L

Thermal Sensor (IPC to Drum)

LVDS Video Out

Inverter/SSR Cable

Power 6 Pin(s)

DS0808C

Thermal Sensor (IPC to Drum)

LVDS Video Out

Inverter/SSR

Power 6 Pin(s)

Bracket for Wall-Mount
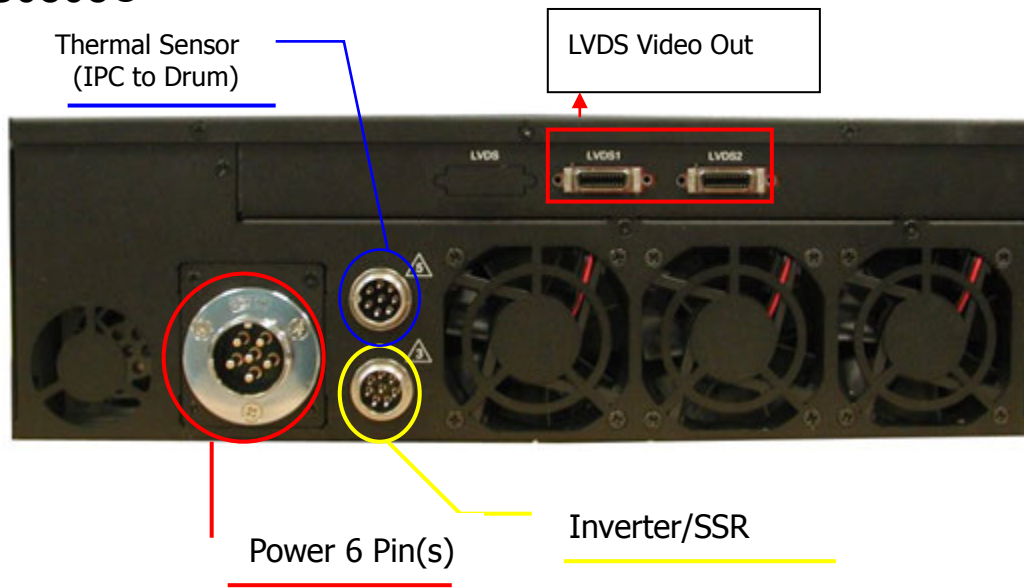
2.3 LCD Panel Operation

You can use LCD Panel to operate the IPC without using keyboard and mouse.

Power Indicator   Display

Command Buttons
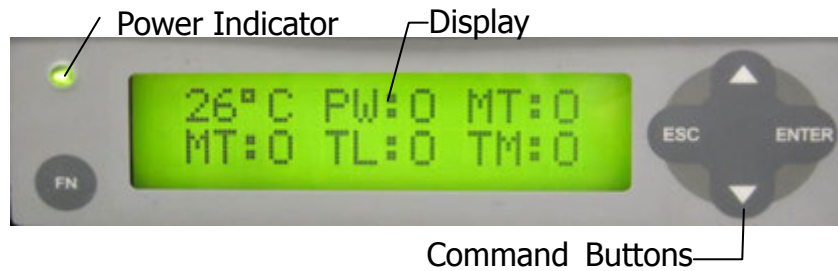
1. **ENTER**：Enter the selected item or save the setting
2. **ESC**：Go back or Cancel the setting
3. **Up / Down**：Move the Cursor（＞）or change the setting

2.3.1   Basic Operation：

ON/OFF
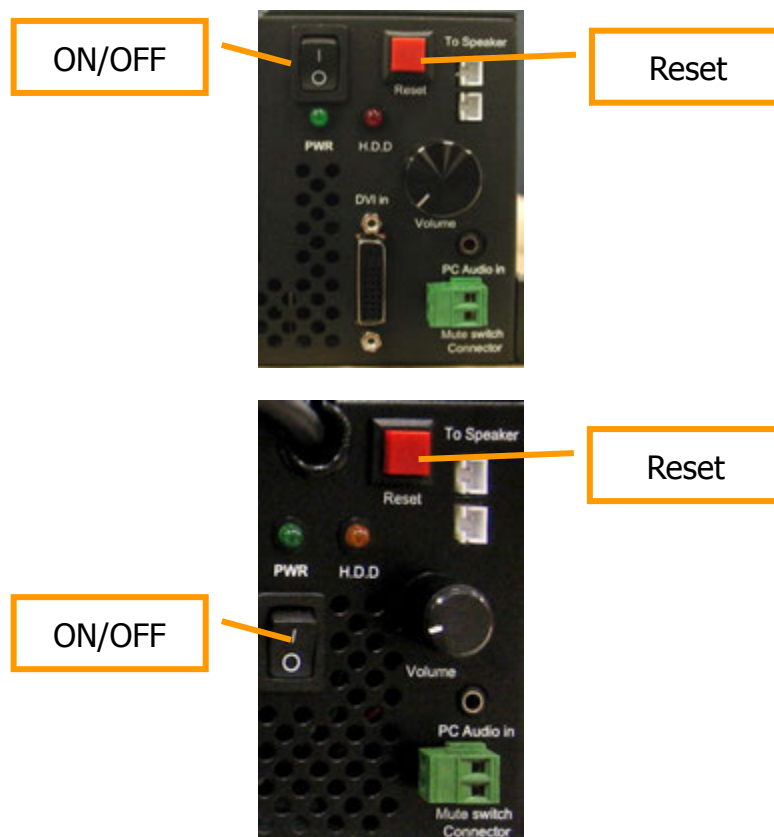
Reset

Reset

ON/OFF

Power ON / OFF：Press the ON/OFF button to turn the IPC ON/OFF.
When you want to turn off the IPC, you just press the switch once and then it will turn off immediately.

System Reset： Press Reset Button to reset the IPC.

⚠️ **WARNING:** The data/settings of IPC may be destroyed or deleted if the shut-down procedure is not adequate, e.g. by Reset, pressing I/O switch more than 5 seconds, and power off.
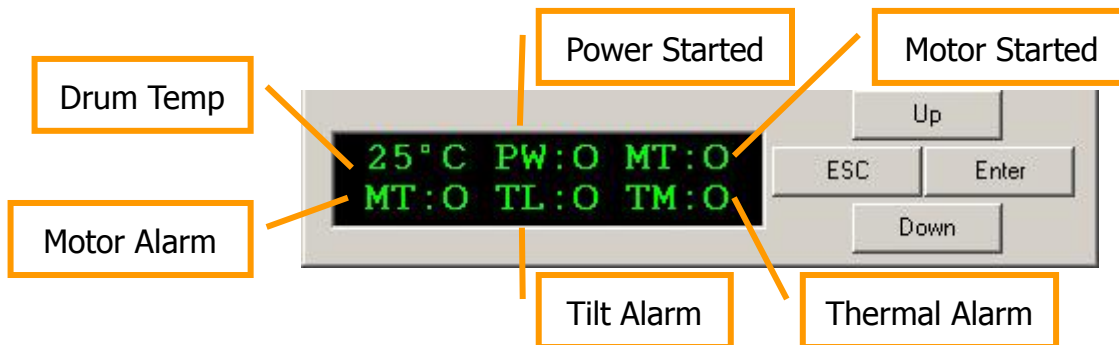
3. Main Menu：

Software Edition：AP3_0247R

After booting the IPC, the LCD Display will show the message, "DynaScan Tech. AP3 is running"

The LCD Display will show the status of "**Monitor System**" after connecting with DynaScan Display.

If the LCD Display shows as below, it means disconnecting. Please check **AP3\Option\Startup Setting\Select Model** for right model, and **AP3\Option\Monitor System\Serial Port** for right COM port.

If you see the massage like that, it means the AP3 is abnormal. Please check the program status.
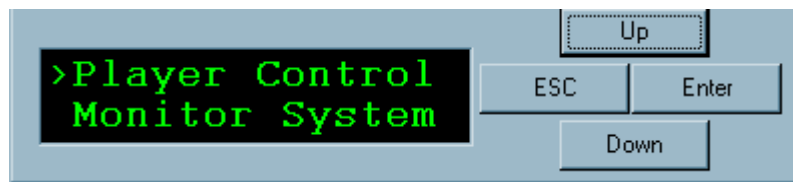

You can operate the Main Menu when the AP3 is running normally. To summon the Main Menu, press the "**Enter**".
Main Menu contains Player Control, Monitor system, Option Setting, Test Pattern and Power Control.
Press **Enter** to summon the Main Menu

Press **Up** or **Down** to move the ">" to the item you want to setup and press **Enter** to open the Sub-Menu.

3.1 Player Control：

Press **Enter** to open the "Player Control". You can execute the basic player function of Embedded IPC, such Play All, Close, Select Frame, File Source, Video Source, Play Operator, Volume, Layout and Content Device.

Play All:
Play the indicated contents, and it is invalid when you didn't assign anything.

Close:
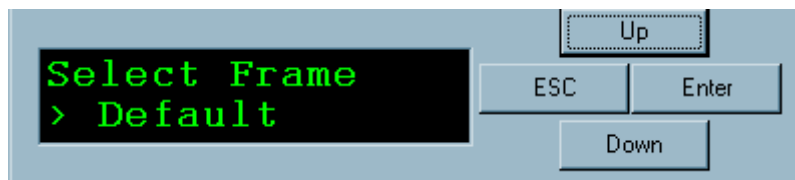Stop playing. To close, press **Enter**.

Select Frame:
When you set the Layout as the Startup item, you can select the frame to control here.

* How to select one screen and frame
1. Press **Enter** to open the sub-menu.
2. Press the **Up** or **Down** to switch the target. Ex. Default.
3. Press **Enter** to decide.

File Source:

If you setup the Media or Picture file folder in "Default path" on the page "Option" in AP3, you can choose the source to play. It contains,

1. **One file:** Playing one file of Media file or Picture file, Sequence, Schedule, and Layout. To choose a file, Press **Enter** to open Sub-menu.

Select file types, including Media Files, Picture Files, Sequence File, Schedule File, Layout File, Media Path, Picture Path, Sequence Path, Schedule Path or Layout Path by pressing the **Enter**.
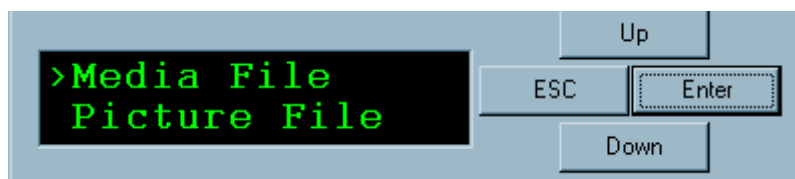
Use **Up** or **Down** to move the ">" to the file you want to play and click **Enter** to play. (The file name format is dos 8.3. If the filename is too long, the system will show ~1 on the name.

2. **All Media:** Play all media files in the file folder as order.
3. **All Picture:** Play all picture files in the file folder as order. The interval is five Sec.
4. **All Content:** Play all media and picture files in the file folder as order.
5. **All Media [P]:** Sequence run all media files in the specified path.
6. **All Picture [P]:** Sequence run all picture files in the specified path.
7. **All Content [P]:** Sequence run all media and picture files in the specified path.

Note: "[..]" means go to one directory higher.

"[.] Enter" means set current path to playing path.

Video Source：

Play the Video Input Sources.

The Video source includes two interfaces, S-Video and Composite (AV), Use **Up** and **Down** to move the cursors (>) to select the source.

Player Operator：

Player Control actions, Play, Pause, Stop, Next, and Prev.

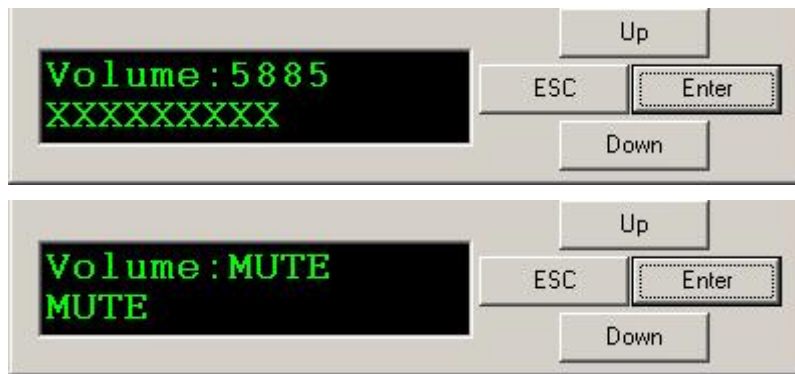You can use this to control the playing item.

Volume：

Adjust the System Volume.

To Increase/Decrease Volume, click **Up / Down**.

The Volume degree will be show in square mark on the LCD panel. The More marks on the panel, the louder Volume is. Mute is (0).
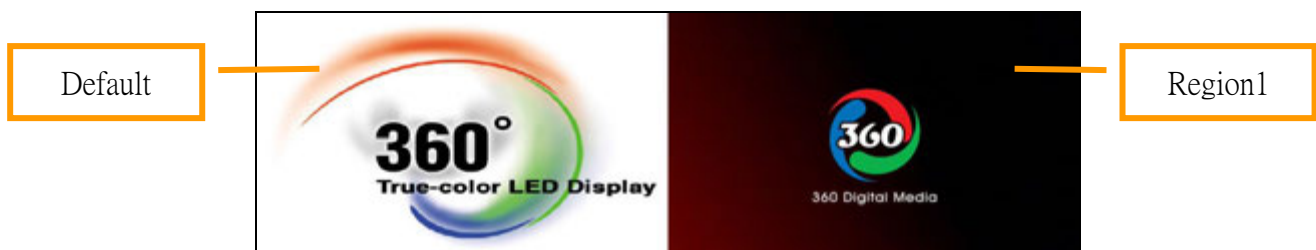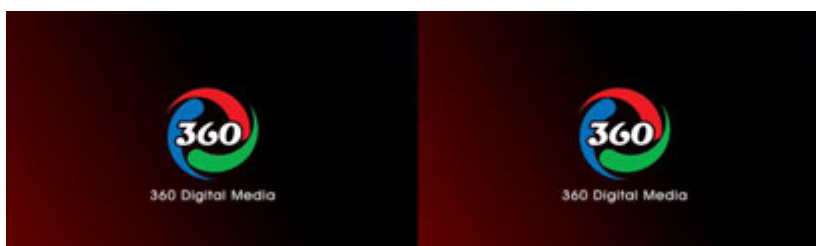
Layout：

Changing the Layout setting.

Options:

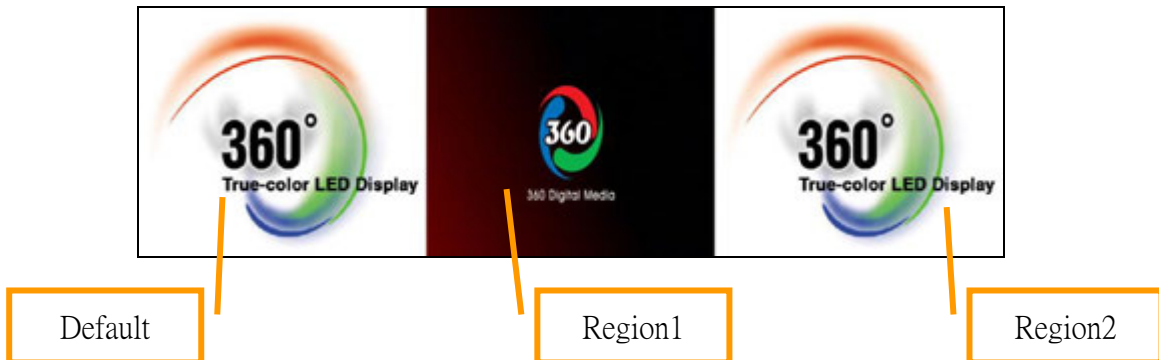**One** = Single Frame.

Two = Two different Frames.

Default — — Region1

Clone = Two Frames with the same contents.

Two Clone = Two identical pictures.

Default

Region1

Three = Three different Frames.

Default   Region1   Region2

To Choose an option, use **Up** or **Down** to move cursor">"and click **Enter**.

After selecting the layout, you can assign the content to each Frame. As for Setting, please refer to "Select Frame" and File Source page.

Note: If you choose Clone, you can only choose one frame to setup.

Example:

Layout: Two

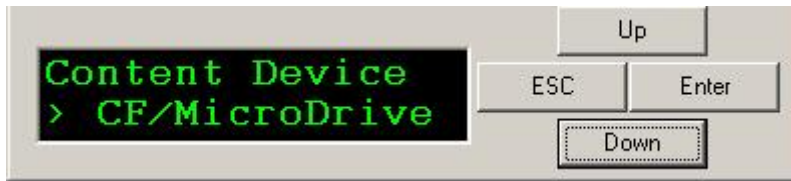Select one frame to setup.

Select Frame: Default

File Source: All Media

When the setting is done, you can see the media files playing on the "Default".
You can setup another frame "Region1" as setting above.

Content Device:

Select the storage device for media contents. There are six devices,
CF/MicroDrive, SD/MMC, MS/MSPro, SmartMedia, Label and Disk Drive.

Note: If you change the storage media, the default download path will be changed
as well. If you change the setting while file transferring, the transferring data will be
lost. Therefore, please does not change this setting while file transferring?

Note: Name of label has to be DSPlayer. When ECU sees two or more drives
labeled as DSPlayer, ECU will follow the alphabetical order of the drive.
For example, if both F and G drives are all labeled as DSPlayer, ECU will choose
F drive as a priority.

3.2 Monitor System

Monitor and control DynaScan displays. Monitor System provides the function settings and status monitoring to DynaScan displays.
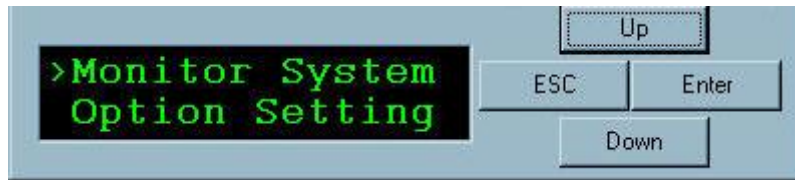
Power On / Off:

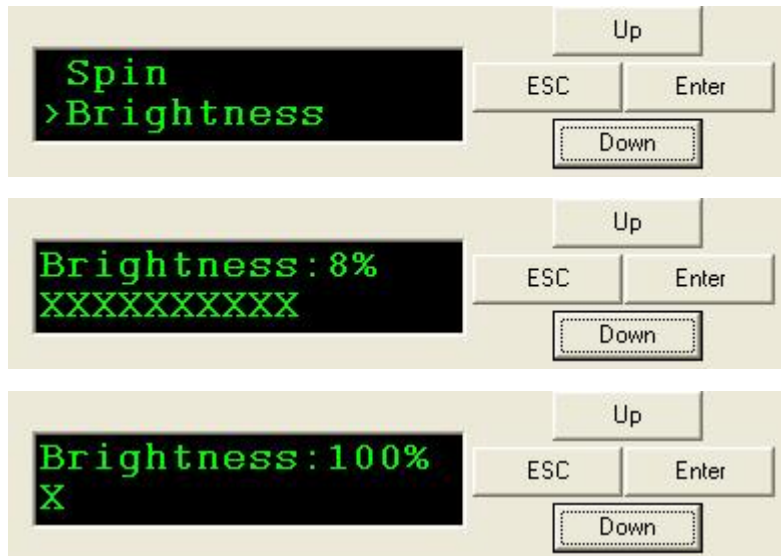Turn On / Off the display. Click **Enter** to Enact or **Esc** to chancel.

Spin:

The spin speed of display. The greater the value is, the faster it spins. "*Fixed*" means to stop spinning. Press **Up** to increase, or **Down** to decrease.

Brightness:

Adjust the brightness of Display. 100% for highest brightness.

```
Spin
>Brightness
```

```
Brightness:8%
XXXXXXXXX
```

```
Brightness:100%
X
```

Adjust Display Forward / Reverse:

Clicking **Forward** can turn the screen clockwise to adjust the position of the edge of the image or surrounding objects that may obstruct the displaying image. Clicking **Reverse** can move the screen anti-clockwise. Please wait for 30 seconds to save the settings automatically.

```
>Adj Dis Forward
 Adj Dis Reverse
```

Clear Alarm R.:

Clear Alarm Record. Display has had the. Presses the **Enter** to clear the Alarm Records that abnormal states happened before.

```
 Adj Dis Reverse
>Clear Alarm R.
```

Advance:

Press **Enter** for further settings, including DVI Version, System Run Time, LEDM ON/OFF, Force PW On, Force PW OFF, Motor OFF, Virtual Enc., Excool En., Thermal Wa., Auto V.E., Display Mode, DS Model, COM Port.

DVI Version:

Press **Enter** to show the version of DVI board, including PCB, LOG (Logic), F.W (Firmware).
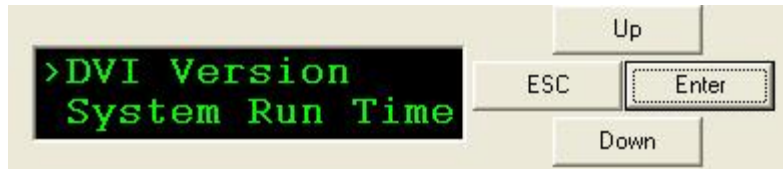
System Run Time:

Total system working hour is calculated by hour. Click **Enter** to display.

LEDM ON / OFF:

Turn ON / OFF the LEDM.

Press **Up** or **Down** to select, and **Enter** to switch.

Force PW On:

Force Power On manually. The function is to force power on the displays immediately. Make sure the safety issue for the display before pressed. We do not suggest users to operate it arbitrarily.

Force PW OFF:

Force Power On manually. The function is to force power on the displays immediately, including motor and LEDM.

Motor OFF:

Turn off the motor manually. Press **Enter** to power off the motor of the display immediately.

Virtual Enc.:

ON / OFF the Virtual Encoder. Click **Enter** to Switch. When the physical encoder is out of order, you can start the Virtual Encoder for replacement. It is designed for the use of our technical staff only.

Excool En.:

To determine to enable the function of Ex-cool (extended cooling after turn of) or not. The function support model DS0706, DS0716, DS0808, DS1016, DS1713-3 and DS2012-3 at present.

Thermal Wa.:

Thermal warning. To determine to enable the function of thermal warning function.

Auto V.E.:

Auto Virtual Encoder function. Virtual Encoder will automatically enable when the system detects that the hardware encoder malfunctions.

Display Mode:

Not available.

DS Model:

Select DynaScan display model. This function will affect image size of the display and communication of Monitor System. Press button **Up** and **Down** to choose display model and press **Enter** to set.

COM Port:

Assign communication port. DynaScan displays are controlled through COM port, so you must assign COM port number of the computer connecting the displays.

3.3   Option Setting

Setup Options, including OS protect, Clock, Network, Auto Run, Watchdog, Window Adjust, and Video Out, Display Setting, Back Light, Upgrade Program, License Manager and Embedded OS.

OS Protect:

OS Protection status: Stable: The OS is protected. Unstable: OS is not protected. Please remain stable when operating. This function is show the status of protection only. To switch status, please refer to the Embedded OS.
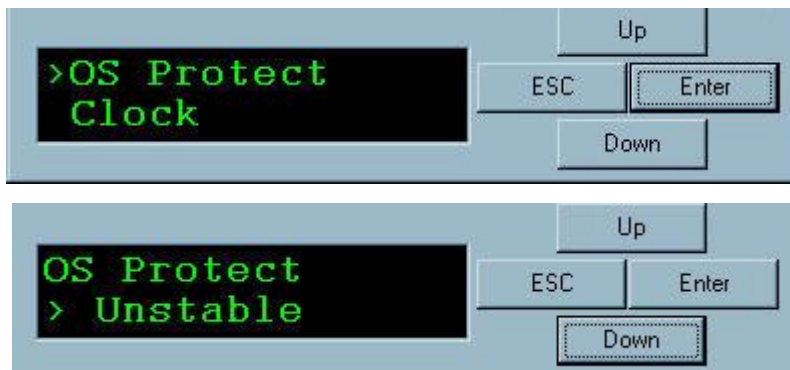
Clock:

System Time, press **Enter** to setup. To switch to next digit, press **Enter**. Press **ESC** to return to previous menu with discarding, and press **Enter** to go next menu for date/time settings. **Up** or **Down** to change the value. After setup, press **ESC** will summon the menu to save. You can press **Enter** to save or **ESC** to discard.
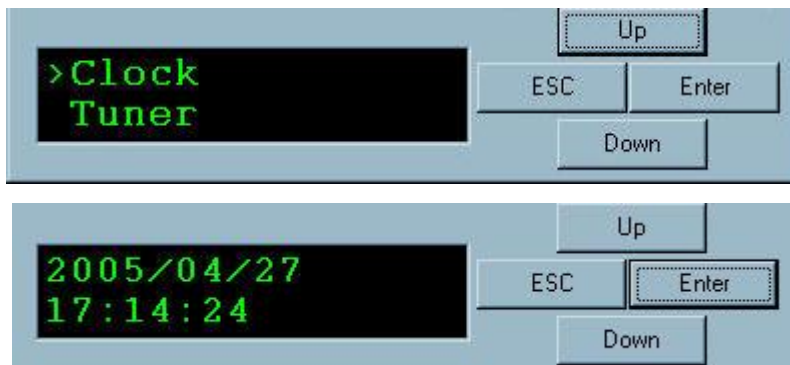
Network:

Network Settings for this IPC.

If you want the IPC to get IP from DHCP server, choose ON. Press **Enter** to Switch.

When DHCP Enable is ON, you can get the IP Address, Subnet Mask and Default Gateway in following options. If DHCP Enable is OFF, you need to input those values in those options.

If you want to setup the IPC in Static IP,

1. Enter the IP address in IP Address option. Press **Enter** to switch next digit. Press **Up** to increase, or **Down** to decrease.
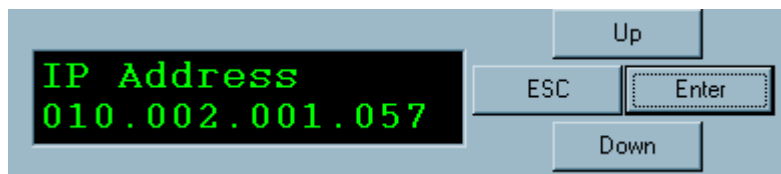
2. Setup the Subnet mask. Press **Enter** to switch next digit. Press **Up** to increase, or **Down** to decrease.
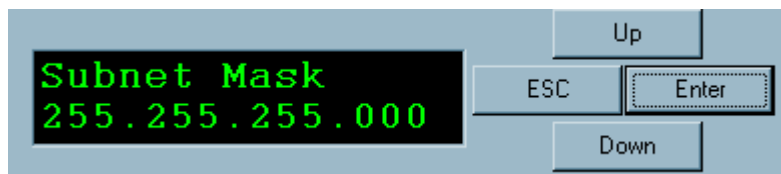
3. Setup Default Gateway. Press **Enter** to switch next digit. Press **Up** to increase, or **Down** to decrease.

4. Host Name: Name of the PC

Press **Enter** to setup

Use **Up** and **Down** to change the digit. Press **Enter** to switch to next digit. Press **Esc** to leave and **Enter** to save.

5. Press **Enter** on **Set** to save, or **Cancel** to discard.

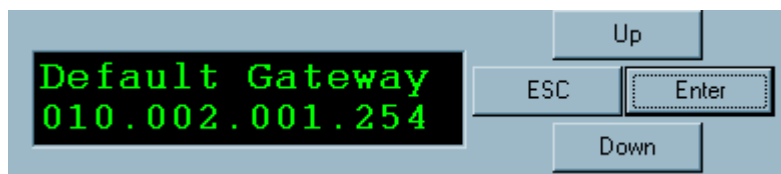**Note:** After you press **Set** to change the Network setting, you have use the Preserve under the Embedded OS option to reboot the IPC and save the setting to OS.

Note: The network settings are functional only when the network cable is connected.

Auto Run:

Automatically Power on the IPC at specific time everyday. You can use **Enter** to switch between ON (enable) and OFF (disable).

Startup ON / OFF: To enable the function, choose Startup ON. Press **Enter** to change.
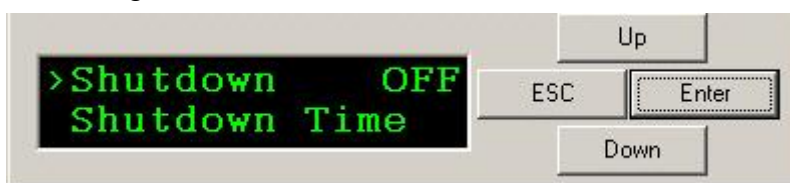

Startup Time: When Startup is ON, you can setup the time to start the IPC. The time format is HH:MM. Press enter to switch next digit.
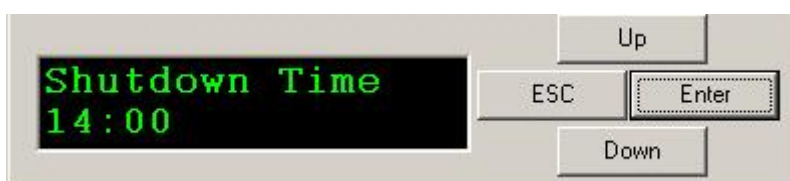
Press **Up** to increase, or **Down** to decrease. To save, press **ESC**, and then Press **Enter** to save or **ESC** to discard.

Shutdown ON / OFF: To enable the function, choose Shutdown ON. Press **Enter** to change.

Shutdown Time: Setup the time to shut the IPC down. Press **Enter** to switch next digit. Press **Up** to increase, or **Down** to decrease. To save, press **ESC**, and then Press **Enter** to save.

Reboot ON / OFF: To enable the function, choose Reboot ON. Press **Enter** to change.

Reboot Time: Setup the time to reboot the IPC. Press **Enter** to switch next digit. Press **Up** to increase, or **Down** to decrease. To save, press **ESC**, and then Press **Enter** to save.

Start Play ON / OFF: AP3 starts to play media. AP3 will check if the **Start Play Time** is up or not in order to play or not when it's set as **ON**, otherwise AP3 will not play when it starts for **OFF**. Press **ENTER** to switch the settings.
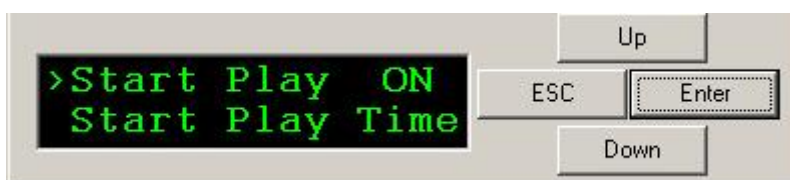
Start Play Time: Show / Set the start time (format hh:mm) to play content, it will be valid only if **Start Play** is **ON**. Press **Up** and **Down** to change the time, **Enter** to change the position of the cursor. Press **ESC** to leave with save by **Enter** or

without save by **ESC**.

Watchdog:

When the IPC doesn't run for a specific interval, the Watchdog will reboot the IPC. This is for the instance of IPC program crash recovery. You can setup a specific time. Note, please don't setup the value too short or the Watchdog will reboot the IPC continuously.

To enable this function,

1. Choose *ON* in Watchdog.

2. Setup the Timer. Press **Enter** to switch next digit. Press **Up** to increase, or **Down** to decrease. To save, press **ESC**, and the Press **Enter** to save. Unit is Second.
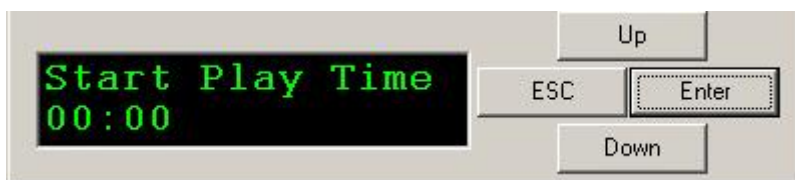

Note: The system will handle the system crash quicker when you setup shorter timer interval. It will create extra burden for system, and may cause misjudgment if the interval is too short. The suggest Value is 3~5 minutes.

Window Adjust:

Adjust the player windows potion. If you see some red region on the edge of the screen, it means that Window position is not correct. You can use this function to adjust.

Use **Up** or **Down** to select, and **Enter** to setup, the Unit is pixel,

Left Pos.: Adjust the window position to left or right. Press **Up** to increase, or **Down** to decrease. To save, press **ESC**, and press **Enter** to save. The Value with + is to right, －is to left. Ex. +0002 is two pixels to the right, and －0002 is two pixels to the left.

Top Pos.: Adjust window position to Top or Bottom. Press **Up** to increase, or **Down** to decrease. To save, press **ESC**, and then Press **Enter** to save. The Value with + is to the bottom, －is to the Top. Ex. +0002 is two pixels to the bottom, and －0002 is two pixels to the Top.

Width: Adjust the width of windows. Press **Up** to increase, or **Down** to decrease. To save, press **ESC**, and then Press **Enter** to save. The Value with + is to extend, －is to shrink. Ex. +0002 is expending two pixels, and －0002 is to shrink two pixels.

Height: Adjust the height of windows. Press **Up** to increase, or **Down** to

decrease. To save, press **ESC**, and then Press **Enter** to save. The Value with +
is to extend, −is to shrink. Ex. +0002 is expending two pixels, and −0002 is to
shrink two pixels.

Height
+0000

Display Setting:

Adjust the Display Setting, including Brightness, Contrast, and Gamma.

Window Adjust
>Display Setting

Press **Up** and **Down** to select the option to adjust. Press **Enter** to enter the option.

>Brightness
 Contrast
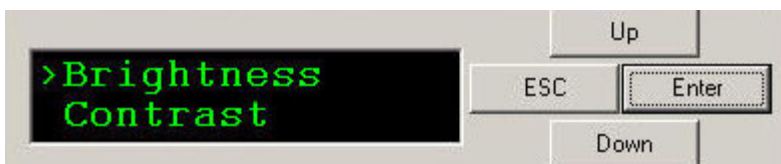
Brightness: Press **Up** and **Down** to adjust. The brightness will be changed
immediately. Press **ESC** to return.

Brightness 100%
XXXXXXX
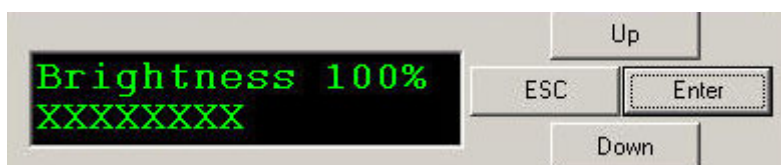
Contrast: Press **Up** and **Down** to adjust. The Contrast values will be changed
immediately. Press **ESC** to return.

Contrast 100%
XXXXXXX
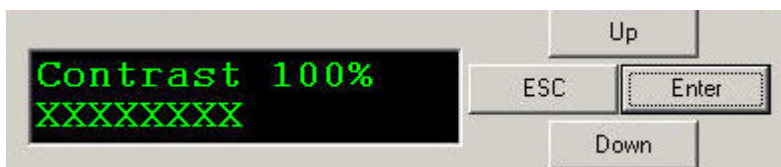
Gamma: Press **Up** and **Down** to adjust. The Gamma values will be changed
immediately. Press **ESC** to return.

Note: *For mode DS0808, DS0706 and DS0716, We suggest that you set the
Gamma values to 0.45 for better picture quality.*

Video Out:

Select the Video Output port, DVI (default) and VGA. Press **Up** or **Down** to switch. This setting will change the Video output into Single Screen mode. Please don't use this function unless you need to do some maintenance.

Back Light:

Adjust the brightness of the LCD Panel Back Light. Default is 25%.
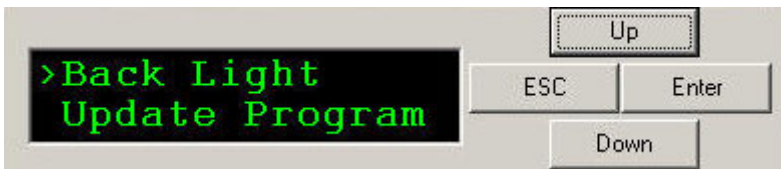
Press **Up** and **Down** to adjust. The brightness will be changed immediately. Press **ESC** to return.
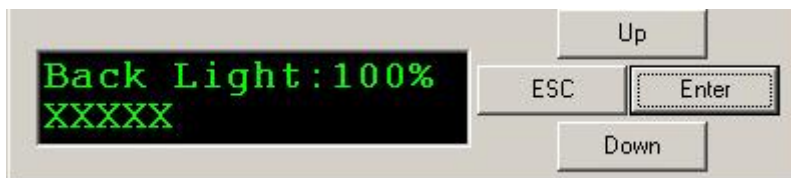
Update Program:

Update AP3 by press **Enter**.
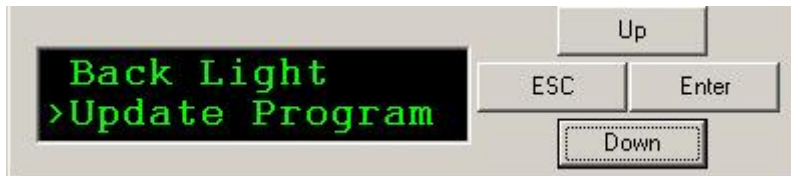
Select the storage device for update program from **Select Device**, **CF/MicroDrive** for example, then press **Enter**.
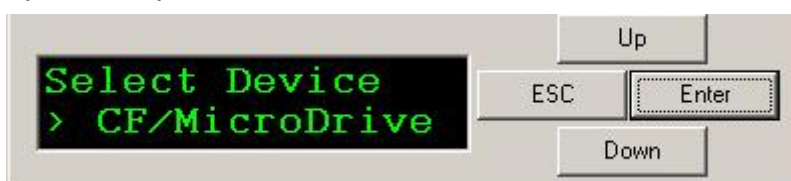
Choose the target update program from the list by **Enter**.

Query, press **Enter (YES)** to execute updating, and it will restart the IPC with blank screen during the processes. It's done when it shows **DynaScan Tech.** again after a few minutes.

License Manager:

Press **Enter** to enable authorization function.
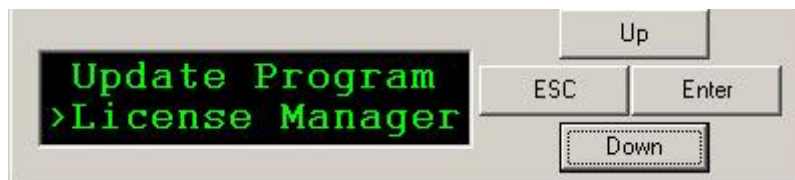
License State: Query which from the 5 status of authorization.

Serial Empty: No serial number.

Trial: Trial version with serial number for 30 days.

OEM: OEM version. No registration needed.

Release: Release version with finishing registration.

Not Accept: Authorization fail.
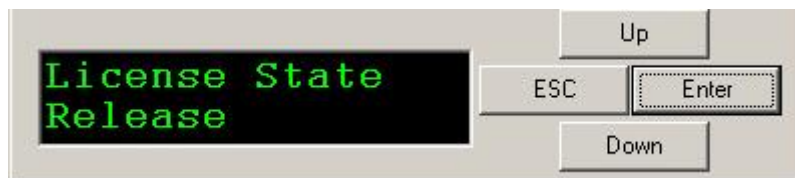
Install Serial: Press **Enter** to input the serial number.

Select the storage device, **CF/MicroDrive** for example, for the file of serial number by **Enter**.

Choose the file of serial number by **Enter**.

Press **Enter (YES)** to confirm the serial number. Then it will generate the codes, 14 digits with numbers and letters combined, of registration. Please send the file with **.register** extension to DynaScan to get the license.

Active License: Press **Enter** to activate license.

Select the storage device, **CF/MicroDrive** for example, for the file of serial number by Enter.
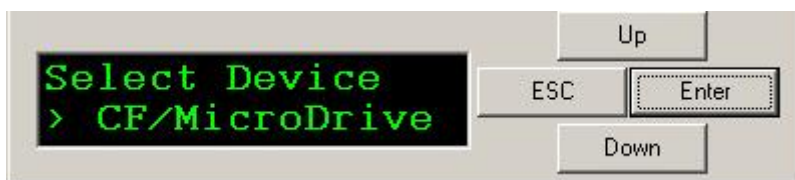
Choose the legal license file from the list by **Enter**.

Press **Enter (YES)** to confirm the license.

```
ACTIVE LICENSE          Up
ENTER=YES ESC=NO    ESC    Enter
                        Down
```

Export RegCode: Press **Enter** to export the registration codes. It could not be used until the users need to get the registration codes again.

```
Active License          Up
>Export RegCode     ESC    Enter
                        Down
```

Select the storage device, **CF/MicroDrive** for example, for the file of registration codes by **Enter**.

```
Select Device           Up
> CF/MicroDrive     ESC    Enter
                        Down
```

SUCCESS for finished.

```
Export RegCode          Up
  SUCCESS           ESC    Enter
                        Down
```

Find Device:

Re-find the USB card reader. Press Enter to find, it will show "OK" when found, otherwise show "Failed".

```
License Manager         Up
>Find Device        ESC    Enter
                        Down
```

```
Find Device NOW         Up
Result: OK          ESC    Enter
                        Down
```

```
Find Device NOW         Up
Result: FAILED      ESC    Enter
                        Down
```

Embedded OS:

To Enable the OS protection ON/OFF, Press **Up** or **Down** to change and **Enter** to save. After Reboot, the Protection status is preserved.
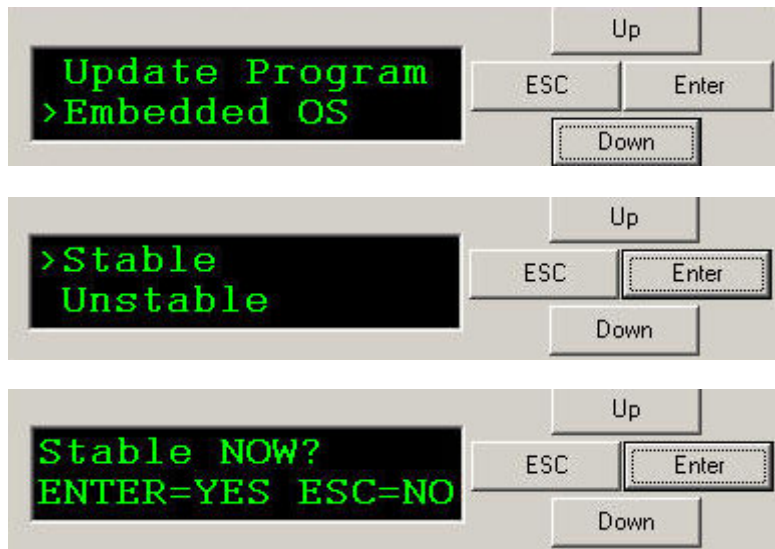
Preserve:

When System is stable (protected), you can save the OS current settings by using Preserve.
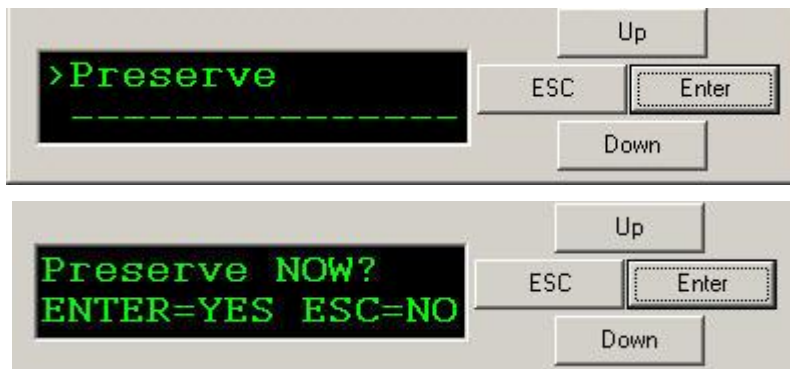
Press **Enter** to preserve and the menu will show up. Press **Enter** to save the setting and reboot the IPC, or Press **ESC** to Chancel. The IPC will remain Stable after the rebooting.

Note: **It's very dangerous to open the OS protection. If the system is attacked or operated incorrectly, it will damage the system enormously. After you turn off the OS protection, every change you make will be save immediately. For safety reason, please turn on the OS protection after you reboot the IPC.**

Warning: "Preserve" will change the OS setting **permanently**, please don't use it unless you need to change the OS setting.

3.4 Test Pattern

Generate test patterns for technical staff to adjust picture quality or debug. You can choose the frame to test by setting frame in the Player Control.

Pure Color:

Choose one color to generate a whole screen picture by press **Up** or **Down**, and then press **Enter** to send the picture to the display device.

Level Color:

Choose one color to generate Color Level by pressing **Up** or **Down**, and then press **Enter** to send the picture to the display device. The Color sections are 16 x 16 (256) block.
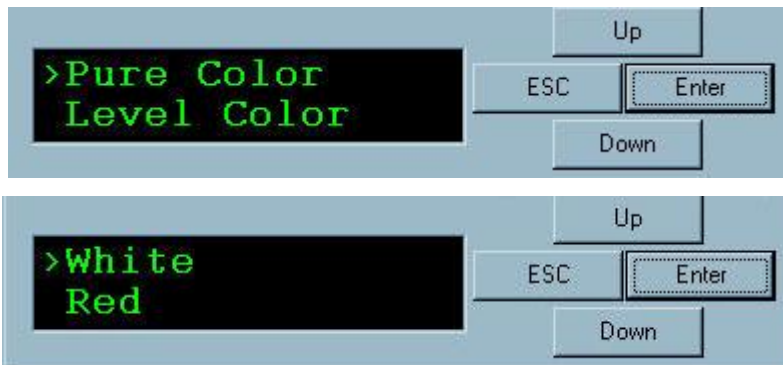
3.5 Power Control

Provide the functions to control the power and reopen AP3.

Restart AP3:

press **Enter** to restart AP3.

Reboot PC:

This will restart the computer. After pressing **Enter**, the computer will immediately reboot. Any unsaved data will be lost.

Reset PC:

press **Enter** to reset IPC, same as the button of Reset on IPC front panel when the IPC is down, otherwise the data might be destroyed.

Shutdown PC:

press **Enter** to shut down the IPC. Don't power off during the process, otherwise the data might be destroyed.

4. How to Upgrade Operation System

Step1. Remove the screws of the Front Cover (red mark). There are seven screws, please see two pictures as below.

《There are three screws at back of IPC.》

《There are four screws at top cover of IPC.》

Step2. Push the Front cover backward to remove it. See the picture above.

Step3. Remove the screws of DVI board holder (red mark). There are five screws.

《There are three screws at back of IPC.》

《There is one screw at one side of IPC, and one inside IPC.》
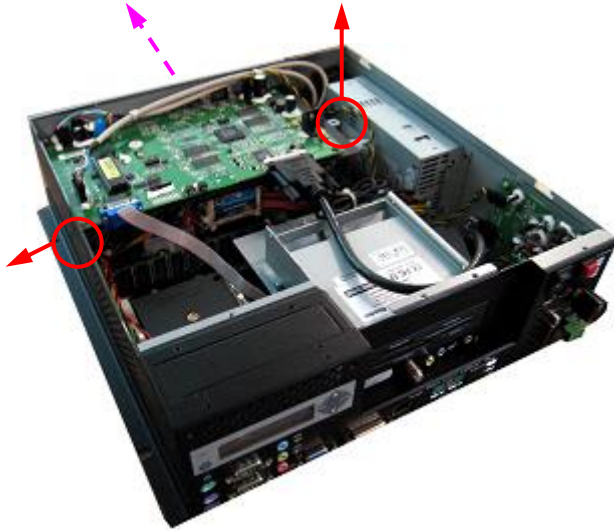
Step4. Push the Holder backward to remove it shown above.

Step5. Remove the CF card with older version shown below.

Step6. Put the New CF Card into the Slot shown below.
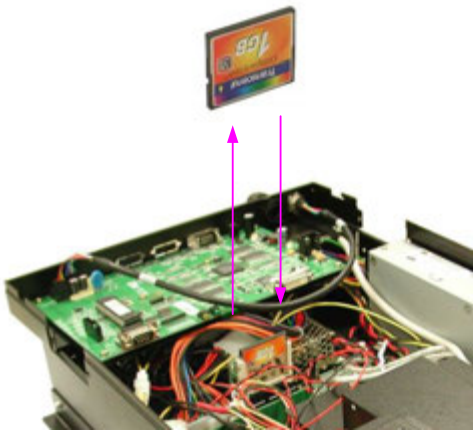
Step7. Put the Holder back.

Step8. Fasten the three screws of DVI Board Holder.

Step9. Put the Front Cover back and push forward to close it.

Step10. Fasten the screws of Front Cover.

Under Normal condition, if you want to update the program within the IPC, all you have to do is saving the program in a flash card and inserting it into the card reader and then run Update to renew the program. However, the best way is to replace the old System Card with a new one when you wan to change the Embedded OS or update many programs.

5. Appendix

5.1 IPC Grounding:

When our display is shipped, we have design the proper grounding for IPC and Power Control Box. However, if you don't attach the IPC case and the Power Control Box with screws on the same frame, the IPC is not connected to the ground. To prevent possible interferes and abnormal situations, please make sure that your IPC is connected the ground. The IPC and Power Control box can share the ground cable. In other words, you can connect the Power Control box to the ground first and then attach the IPC and Power Control box with screws on the same frame and connect the frame to the ground, and two of them are connect to the ground.

5.2 Files playing notice of AP3:

◆ When the content types are those media files which can't be resized such as MS PowerPoint files or flash files and you play them in single mode, the content may not be display correctly. To play those files correctly, please choose layout "Clone" or "Two" to play the file. Clone is two frames with the same content and "Two" is two frames with different contents. Please refer to the Layout Setting as above for more information.

◆ As many as two MPEG-2 media files are allowed to play at the same time due to the limitation of CPU performance of the Embedded IPC.

◆ As big as the size of 1024x768 pixels for graphic files is allowed to play due to the limitation of the graphics hardware performance of the Embedded IPC.

5.3 Dummy VGA Monitor:

When you use twin view, you put the operating screen and display screen in different monitors. You will find out the twin view will disappear when you unplug the VGA monitor cable. To solve the situation, you need to plug the Dummy VGA Monitor into the VGA port of video-card as the Following picture shows.

When you want to reconnect the VGA cable, please unplug the Dummy VGA Monitor and plug the VGA cable connector into the VGA monitor connector while the IPC is

operating.

Note: Please don't turn ON/OFF the IPC if you don't plug any VGA Monitor Cable or Dummy VGA Monitor, or you may need to setup the twin view again.

5.4 Embedded IPC Default Setting:

Please use AP3 software of IPC to setup the default setting.

Option	Default Value			
Startup Setting\Select Model	Select the matching Model			
Startup Setting\Accelerator	VMR7			
Startup Setting\Screen Type	Screen 2			
Startup Setting\Auto Startup	Check			
Startup Setting\Auto Clear Content	Check			
Startup Setting\Content Preload\Content in Sequence Preload	Check			
Startup Setting\Content Preload\Content in Schedule Preload	Check			
Startup Setting\Content Preload\Sequence in Schedule Preload	Check			
Display Position\Display Position	DS0706	Left：2	Right：-1	
		Top：0	Bottom：-3	
	DS0808	Left：6	Right：-3	
		Top：3	Bottom：0	
	DS0716	Left：5	Right：2	
		Top：5	Bottom：2	
	DS0613C	Left：3	Right：-1	
		Top：3	Bottom：0	
	DS0616C	Left：5	Right：2	
		Top：5	Bottom：2	
	DS1508 (P-Link)	Left：5	Right：2	
		Top：5	Bottom：2	
	DS1508 (GigaFiber)	Left：3	Right：0	
		Top：3	Bottom：0	
Monitor System\Serial Port	COM 3			
	COM 1 (DS1508 Only)			
Monitor System\Power Control Enable	Check			
Monitor System\Outside Power Off Enable	Check (For DS0613C, DS0616C, DS1508)			

Monitor System\Spin Speed\	Fixed
Monitor System\Brightness\	100%
Monitor System\Advance\Power On Safe Time\	360 Sec.
	240 Sec. (DS1508 Only)
	180 Sec. (DS0616C Only)
Capture Setting\00 Default\IS	Check
Capture Setting\Country Code\	Select the location
Capture Setting\Input Pin\	1
Capture Setting\Default Setting\Resolution\	Low (For DS0706, DS0808)
Color Adjust\Gamma\	0.45 (For DS0706, DS0808, DS0716)
	1.00 (For DS0613C, DS0616C, DS1508)
Network Setting\Network Control Enabled\	Check

5.5 LCD Default Setting

Please use the LCD of IPC to setup the default setting.

Monitor System\Brightness\	100%
Option Setting\Watchdog\	ON
Option Setting\Watchdog Timer\	300 Sec.
Option Setting\Display Setting\Brightness\	100%
Option Setting\Display Setting\Contrast\	100%
Option Setting\Display Setting\Gamma\	0.45 (For DS0706, DS0808, DS0716)
	1.00 (For DS0613C, DS0616C, DS1508)
Option setting\Back Light\	25%

5.6 Operation Tree of the IPC LCM

Main Menu	Menu Level 1	Menu Level 2	Menu Level 3

Player Control

- Play All
- Close
- Select Frame
- File Source
  - One File
    - Media File
    - Picture File
    - Sequence File
    - Schedule File
    - Layout File
    - Media Path
    - Picture Path
    - Sequence Path
    - Schedule Path
    - Layout Path
  - All Media
  - All Picture
  - All Content
  - All Media [P]
  - All Picture [P]
  - All Content [P]
- Video Source
  - SVideo
  - AV
- Play Operator
  - Play
  - Pause
  - Stop
  - Next
  - Prev.
- Volume
- Layout
  - One
  - Two
  - Clone
  - Two Clone
  - Three
- Content Device
  - CF/MicroDrive
  - SD/MMC
  - MS/MSPro
  - SmartMedia
  - Label
  - Disk Drive

Main Menu	Menu Level 1	Menu Level 2	Menu Level 3
	Power ON		
	Power OFF		
	Spin		
	Brightness		
	Adj Dis Forward		
	Adj Dis Reverse		
	Clear Alarm R.		
Monitor System		DVI Version	
		System Run Time	
		LEDM ON/OFF	
		Force PW On	
		Force PW OFF	
		Motor OFF	
	Advance ---------------	Virtual Enc.	
		Excool En.	
		Thermal Wa.	
		Auto V.E.	
		Display Mode	
		DS Model	
		COM Port	

Main Menu	Menu Level 1	Menu Level 2	Menu Level 3

Option Setting

- OS Protect
- Clock
- Network
  - DHCP Enable
  - IP Address
  - Subnet Mask
  - Default Gateway
  - Set
  - Cancel
  - Host Name
- Auto Run
  - Startup
  - Startup Time
  - Shutdown
  - Shutdown Time
  - Reboot
  - Reboot Time
  - Start Play
  - Start Play Time
- Watchdog
  - Watchdog
  - Watchdog Timer
- Window Adjust
  - Left Pos.
  - Top Pos
  - Width
  - Height
- Display Setting
  - Brightness
  - Contrast
  - Gamma
- Video Out
  - DVI
  - VGA
- Back Light
- Update Program
  - CF/Micro Drive
  - SD/MMC
  - MS/MSPRO
  - Smart Media
  - Label
  - Disk Drive
- License Manager
  - License State
  - Install Serial
  - Active License
  - Export RegCode
- Find Device
- Embedded OS
  - Stable
  - Unstable
  - Preserve

Main Menu	Menu Level 1	Menu Level 2	Menu Level 3
Test Pattern	Pure Color ------------	White Red Green Blue No Red No Green No Blue	
	Level Color ------------	White Red Green Blue No Red No Green No Blue	

Main Menu	Menu Level 1	Menu Level 2	Menu Level 3
Power Control	Restart AP3 Reboot PC Reset PC Shutdown PC		